

Appl. No. 10/080,730
Amdt. dated July 10, 2003
Reply to Office action of April 10, 2003

REMARKS/ARGUMENTS

The Examiner has objected to FIGS. 2a, 2b, 3, 4, 8, and 14.

Proposed drawing corrections are attached hereto for the Examiner's approval. The objected-to-figures have been deleted, the remaining figures renumbered, and the specification amended in accordance therewith.

The Examiner has rejected all of the claims as being anticipated by Lampman et al.

Lampman et al. teaches cylindrical gradient coils. For example, see col. 4, lines 13-16, col. 5, lines 14-17, col. 5, lines 27-31, and FIGS. 2, 3, and 5. FIG 3, shows the coils from the side, with loops of the coils foreshortened into/out of the page. In Lampman et al., the patient's head goes inside of these loops.

The present invention claims a coil set that includes a uniplanar, and two biplanar gradient coils. Lampman et al. does not show or teach any such planar structures.

It is respectfully submitted that the present invention is not anticipated by Lampman et al.

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is now in condition for allowance and notification of same is requested.

If any fees are required by this communication, please

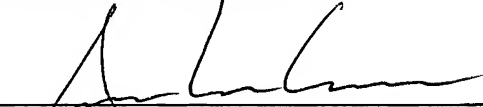
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charge such fees to our Deposit Account No. 16-0820, Order No.
33356US1.

Respectfully submitted,

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By


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Date: July 10, 2003

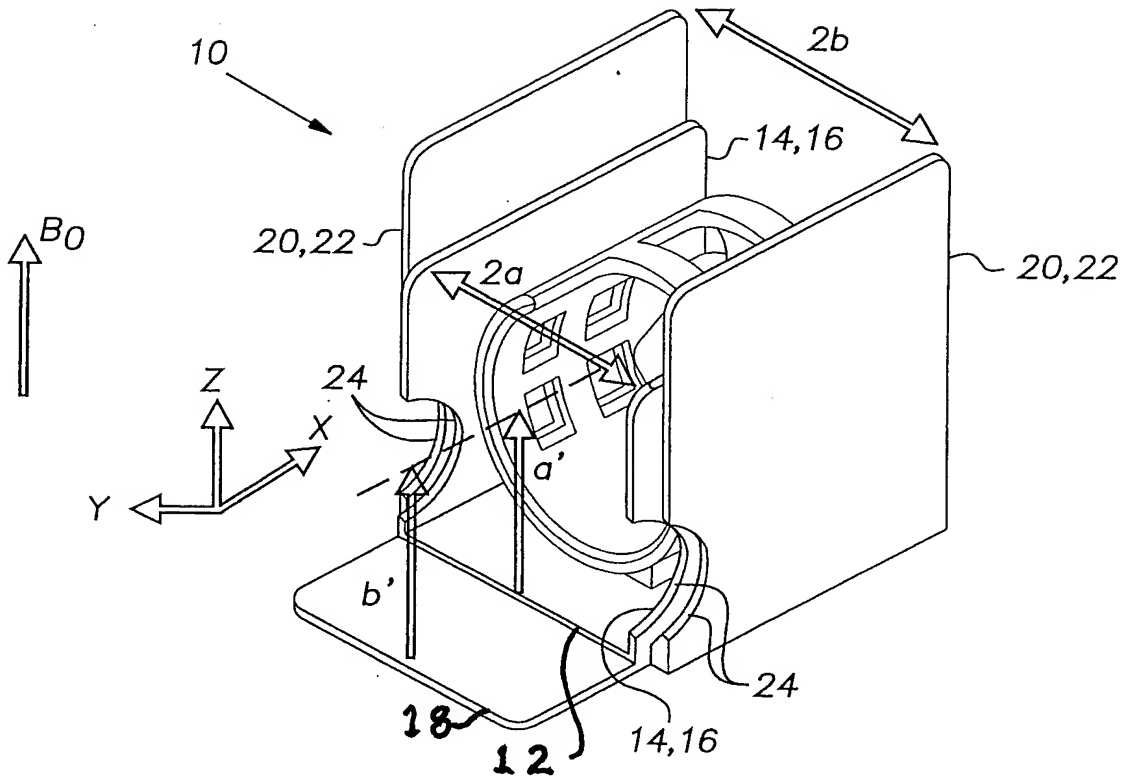


FIG. 1

10.00E-03	4.01E-04
2.00E-02	8.03E-04
3.00E-02	1.21E-03
4.00E-02	1.61E-03
5.00E-02	2.02E-03
6.00E-02	2.42E-03
7.00E-02	2.83E-03
8.00E-02	3.23E-03
9.00E-02	3.62E-03
10.00E-02	4.00E-03
0.11	4.36E-03
0.12	4.60E-03
0.13	4.25E-03

FIG. 2A



2/16

FIG. 2B

10.00E-03	4.01E-04	4.00E-02	1.65E-03	7.00E-02	2.83E-03	10.00E-02	5.22E-03
10.00E-03	4.02E-04	4.00E-02	1.64E-03	7.00E-02	2.84E-03	10.00E-02	5.74E-03
10.00E-03	4.02E-04	4.00E-02	1.60E-03	7.00E-02	2.86E-03	10.00E-02	6.04E-03
10.00E-03	4.03E-04	4.00E-02	1.52E-03	7.00E-02	2.90E-03	10.00E-02	5.96E-03
10.00E-03	4.03E-04	4.00E-02	1.40E-03	7.00E-02	2.98E-03	0.11	4.36E-03
10.00E-03	4.02E-04	4.00E-02	1.61E-03	7.00E-02	3.07E-03	0.11	4.37E-03
10.00E-03	3.99E-04	4.00E-02	1.61E-03	7.00E-02	3.17E-03	0.11	4.33E-03
10.00E-03	3.92E-04	4.00E-02	1.62E-03	7.00E-02	3.21E-03	0.11	4.30E-03
10.00E-03	3.77E-04	4.00E-02	1.62E-03	7.00E-02	3.16E-03	0.11	4.33E-03
10.00E-03	3.54E-04	4.00E-02	1.63E-03	7.00E-02	2.97E-03	0.11	4.51E-03
10.00E-03	3.21E-04	4.00E-02	1.64E-03	8.00E-02	3.23E-03	0.11	5.12E-03
10.00E-03	4.01E-04	4.00E-02	1.65E-03	8.00E-02	3.23E-03	0.11	6.06E-03
10.00E-03	4.02E-04	4.00E-02	1.64E-03	8.00E-02	3.23E-03	0.11	6.97E-03
10.00E-03	4.02E-04	4.00E-02	1.60E-03	8.00E-02	3.26E-03	0.11	7.58E-03
10.00E-03	4.03E-04	4.00E-02	1.52E-03	8.00E-02	3.32E-03	0.11	7.63E-03
10.00E-03	4.03E-04	4.00E-02	1.40E-03	8.00E-02	3.43E-03	0.11	4.36E-03
10.00E-03	4.02E-04	5.00E-02	2.02E-03	8.00E-02	3.60E-03	0.11	4.37E-03
10.00E-03	3.99E-04	5.00E-02	2.02E-03	8.00E-02	3.78E-03	0.11	4.33E-03
10.00E-03	3.92E-04	5.00E-02	2.02E-03	8.00E-02	3.91E-03	0.11	4.30E-03
10.00E-03	3.77E-04	5.00E-02	2.04E-03	8.00E-02	3.92E-03	0.11	4.33E-03
10.00E-03	3.54E-04	5.00E-02	2.03E-03	8.00E-02	3.74E-03	0.11	4.51E-03
10.00E-03	3.21E-04	5.00E-02	2.08E-03	8.00E-02	3.23E-03	0.11	5.12E-03
2.00E-02	8.03E-04	5.00E-02	2.10E-03	8.00E-02	3.23E-03	0.11	6.06E-03
2.00E-02	8.04E-04	5.00E-02	2.11E-03	8.00E-02	3.23E-03	0.11	6.97E-03
2.00E-02	8.05E-04	5.00E-02	2.08E-03	8.00E-02	3.26E-03	0.11	7.57E-03
2.00E-02	8.06E-04	5.00E-02	1.99E-03	8.00E-02	3.32E-03	0.11	7.63E-03
2.00E-02	8.08E-04	5.00E-02	1.84E-03	8.00E-02	3.43E-03	0.12	4.60E-03
2.00E-02	8.08E-04	5.00E-02	2.02E-03	8.00E-02	3.60E-03	0.12	4.74E-03
2.00E-02	8.03E-04	5.00E-02	2.02E-03	8.00E-02	3.78E-03	0.12	4.62E-03
2.00E-02	7.90E-04	5.00E-02	2.02E-03	8.00E-02	3.91E-03	0.12	4.59E-03
2.00E-02	7.64E-04	5.00E-02	2.04E-03	8.00E-02	3.92E-03	0.12	4.56E-03
2.00E-02	7.19E-04	5.00E-02	2.05E-03	8.00E-02	3.74E-03	0.12	4.47E-03
2.00E-02	6.52E-04	5.00E-02	2.08E-03	9.00E-02	3.62E-03	0.12	5.38E-03
2.00E-02	8.03E-04	5.00E-02	2.10E-03	9.00E-02	3.62E-03	0.12	7.00E-03
2.00E-02	8.04E-04	5.00E-02	2.11E-03	9.00E-02	3.62E-03	0.12	8.52E-03
2.00E-02	8.05E-04	5.00E-02	2.08E-03	9.00E-02	3.64E-03	0.12	9.62E-03
2.00E-02	8.06E-04	5.00E-02	1.99E-03	9.00E-02	3.71E-03	0.12	9.90E-03
2.00E-02	8.08E-04	5.00E-02	1.84E-03	9.00E-02	3.87E-03	0.12	4.60E-03
2.00E-02	8.08E-04	6.00E-02	2.42E-03	9.00E-02	4.14E-03	0.12	4.74E-03
2.00E-02	8.03E-04	6.00E-02	2.42E-03	9.00E-02	4.46E-03	0.12	4.62E-03
2.00E-02	7.90E-04	6.00E-02	2.43E-03	9.00E-02	4.74E-03	0.12	4.59E-03
2.00E-02	7.64E-04	6.00E-02	2.45E-03	9.00E-02	4.86E-03	0.12	4.56E-03
2.00E-02	7.19E-04	6.00E-02	2.48E-03	9.00E-02	4.70E-03	0.12	4.47E-03
2.00E-02	6.52E-04	6.00E-02	2.52E-03	9.00E-02	3.62E-03	0.12	5.38E-03
3.00E-02	1.21E-03	6.00E-02	2.57E-03	9.00E-02	3.62E-03	0.12	7.00E-03
3.00E-02	1.21E-03	6.00E-02	2.61E-03	9.00E-02	3.62E-03	0.12	8.52E-03
3.00E-02	1.21E-03	6.00E-02	2.61E-03	9.00E-02	3.64E-03	0.12	9.62E-03
3.00E-02	1.21E-03	6.00E-02	2.53E-03	9.00E-02	3.71E-03	0.12	9.90E-03
3.00E-02	1.22E-03	6.00E-02	2.35E-03	9.00E-02	3.87E-03	0.13	4.25E-03
3.00E-02	1.22E-03	6.00E-02	2.42E-03	9.00E-02	4.14E-03	0.13	5.41E-03
3.00E-02	1.22E-03	6.00E-02	2.42E-03	9.00E-02	4.46E-03	0.13	4.75E-03
3.00E-02	1.20E-03	6.00E-02	2.43E-03	9.00E-02	4.74E-03	0.13	4.78E-03
3.00E-02	1.17E-03	6.00E-02	2.45E-03	9.00E-02	4.85E-03	0.13	5.09E-03
3.00E-02	1.10E-03	6.00E-02	2.48E-03	9.00E-02	4.70E-03	0.13	3.67E-03
3.00E-02	1.01E-03	6.00E-02	2.52E-03	10.00E-02	4.00E-03	0.13	5.06E-03
3.00E-02	1.21E-03	6.00E-02	2.57E-03	10.00E-02	4.00E-03	0.13	8.23E-03
3.00E-02	1.21E-03	6.00E-02	2.61E-03	10.00E-02	3.98E-03	0.13	1.05E-02
3.00E-02	1.21E-03	6.00E-02	2.61E-03	10.00E-02	3.99E-03	0.13	1.24E-02
3.00E-02	1.21E-03	6.00E-02	2.53E-03	10.00E-02	4.06E-03	0.13	1.31E-02
3.00E-02	1.22E-03	6.00E-02	2.35E-03	10.00E-02	4.26E-03	0.13	4.26E-03
3.00E-02	1.22E-03	7.00E-02	2.83E-03	10.00E-02	4.67E-03	0.13	5.41E-03
3.00E-02	1.22E-03	7.00E-02	2.83E-03	10.00E-02	5.22E-03	0.13	4.75E-03
3.00E-02	1.20E-03	7.00E-02	2.84E-03	10.00E-02	5.74E-03	0.13	4.78E-03
3.00E-02	1.17E-03	7.00E-02	2.86E-03	10.00E-02	6.04E-03	0.13	5.08E-03
3.00E-02	1.10E-03	7.00E-02	2.90E-03	10.00E-02	5.96E-03	0.13	3.67E-03
3.00E-02	1.01E-03	7.00E-02	2.98E-03	10.00E-02	4.00E-03	0.13	5.06E-03
4.00E-02	1.61E-03	7.00E-02	3.07E-03	10.00E-02	4.00E-03	0.13	8.23E-03
4.00E-02	1.61E-03	7.00E-02	3.17E-03	10.00E-02	3.98E-03	0.13	1.05E-02
4.00E-02	1.62E-03	7.00E-02	3.21E-03	10.00E-02	3.99E-03	0.13	1.24E-02
4.00E-02	1.62E-03	7.00E-02	3.16E-03	10.00E-02	4.06E-03	0.13	1.31E-02
4.00E-02	1.63E-03	7.00E-02	2.97E-03	10.00E-02	4.26E-03		
4.00E-02	1.64E-03	7.00E-02	2.83E-03	10.00E-02	4.67E-03		



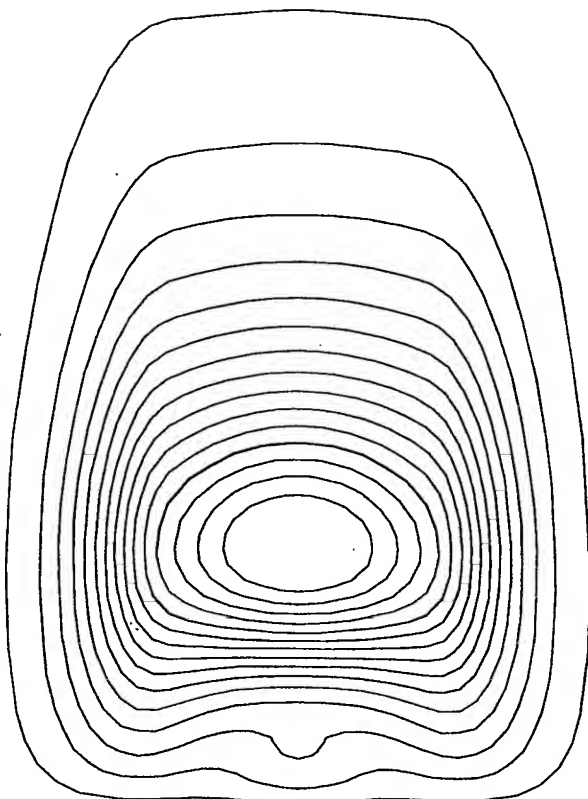
3/16

FIG. 3

0.00E+01	0.00E+01
10.00E-03	3.91E-04
2.00E-02	7.80E-04
3.00E-02	1.17E-03
4.00E-02	1.55E-03
5.00E-02	1.92E-03
6.00E-02	2.28E-03
7.00E-02	2.63E-03
8.00E-02	2.97E-03
9.00E-02	3.28E-03
10.00E-02	3.57E-03
0.11	3.84E-03
0.12	4.08E-03
0.13	4.30E-03
0.00E+01	0.00E+01
10.00E-03	3.91E-04
2.00E-02	7.80E-04
3.00E-02	1.17E-03
4.00E-02	1.55E-03
5.00E-02	1.92E-03
6.00E-02	2.28E-03
7.00E-02	2.63E-03
8.00E-02	2.97E-03
9.00E-02	3.28E-03
10.00E-02	3.57E-03
0.11	3.84E-03
0.12	4.08E-03
0.13	4.30E-03

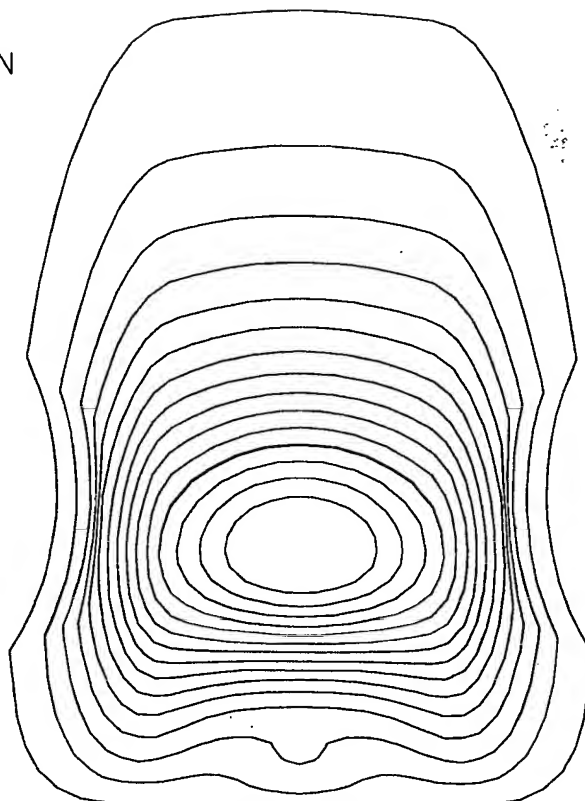
FIG. 4

0.00E+01	0.00E+01	0.00E+01	0.00E+01
10.00E-03	4.01E-04	10.00E-03	2.92E-04
2.00E-02	8.05E-04	2.00E-02	6.10E-04
3.00E-02	1.21E-03	3.00E-02	9.81E-03
4.00E-02	1.62E-03	4.00E-02	1.43E-03
5.00E-02	2.03E-03	5.00E-02	1.96E-03
6.00E-02	2.44E-03	6.00E-02	2.57E-03
7.00E-02	2.84E-03	7.00E-02	3.26E-03
8.00E-02	3.23E-03	8.00E-02	3.99E-03
9.00E-02	3.61E-03	9.00E-02	4.73E-03
10.00E-02	3.95E-03	10.00E-02	5.44E-03
0.11	4.26E-03	0.11	6.08E-03
0.12	4.53E-03	0.12	6.63E-03
0.13	4.74E-03	0.13	7.05E-03
0.00E+01	0.00E+01	0.00E+01	0.00E+01
10.00E-03	4.00E-04	10.00E-03	1.88E-04
2.00E-02	8.03E-04	2.00E-02	4.13E-04
3.00E-02	1.21E-03	3.00E-02	7.17E-03
4.00E-02	1.63E-03	4.00E-02	1.14E-03
5.00E-02	2.05E-03	5.00E-02	1.71E-03
6.00E-02	2.47E-03	6.00E-02	2.44E-03
7.00E-02	2.89E-03	7.00E-02	3.29E-03
8.00E-02	3.31E-03	8.00E-02	4.22E-03
9.00E-02	3.70E-03	9.00E-02	5.17E-03
10.00E-02	4.07E-03	10.00E-02	6.09E-03
0.11	4.40E-03	0.11	6.93E-03
0.12	4.68E-03	0.12	7.63E-03
0.13	4.91E-03	0.13	8.16E-03
0.00E+01	0.00E+01	0.00E+01	0.00E+01
10.00E-03	3.94E-04	10.00E-03	2.64E-05
2.00E-02	7.95E-04	2.00E-02	8.15E-05
3.00E-02	1.21E-03	3.00E-02	2.40E-04
4.00E-02	1.63E-03	4.00E-02	5.94E-04
5.00E-02	2.07E-03	5.00E-02	1.20E-03
6.00E-02	2.52E-03	6.00E-02	2.08E-03
7.00E-02	2.97E-03	7.00E-02	3.18E-03
8.00E-02	3.42E-03	8.00E-02	4.42E-03
9.00E-02	3.86E-03	9.00E-02	5.71E-03
10.00E-02	4.26E-03	10.00E-02	6.95E-03
0.11	4.63E-03	0.11	8.05E-03
0.12	4.95E-03	0.12	8.97E-03
0.13	5.20E-03	0.13	9.65E-03
0.00E+01	0.00E+01	0.00E+01	0.00E+01
10.00E-03	3.81E-04	10.00E-03	-1.55E-04
2.00E-02	7.71E-04	2.00E-02	-4.14E-04
3.00E-02	1.18E-03	3.00E-02	-5.92E-04
4.00E-02	1.62E-03	4.00E-02	-4.22E-04
5.00E-02	2.08E-03	5.00E-02	2.04E-04
6.00E-02	2.57E-03	6.00E-02	1.31E-03
7.00E-02	3.07E-03	7.00E-02	2.83E-03
8.00E-02	3.58E-03	8.00E-02	4.58E-03
9.00E-02	4.08E-03	9.00E-02	6.38E-03
10.00E-02	4.55E-03	10.00E-02	8.08E-03
0.11	4.97E-03	0.11	9.58E-03
0.12	5.34E-03	0.12	1.08E-03
0.13	5.63E-03	0.13	1.17E-03
0.00E+01	0.00E+01	0.00E+01	0.00E+01
10.00E-03	3.50E-04	10.00E-03	6.80E-05
2.00E-02	7.18E-04	2.00E-02	-9.64E-04
3.00E-02	1.12E-03	3.00E-02	-2.10E-03
4.00E-02	1.56E-03	4.00E-02	-2.28E-03
5.00E-02	2.06E-03	5.00E-02	-1.73E-03
6.00E-02	2.60E-03	6.00E-02	-2.29E-04
7.00E-02	3.18E-03	7.00E-02	2.05E-03
8.00E-02	3.77E-03	8.00E-02	4.65E-03
9.00E-02	4.37E-03	9.00E-02	7.33E-03
10.00E-02	4.93E-03	10.00E-02	9.62E-03
0.11	5.45E-03	0.11	1.17E-02
0.12	5.89E-03	0.12	1.33E-02
0.13	6.23E-03	0.13	1.45E-02



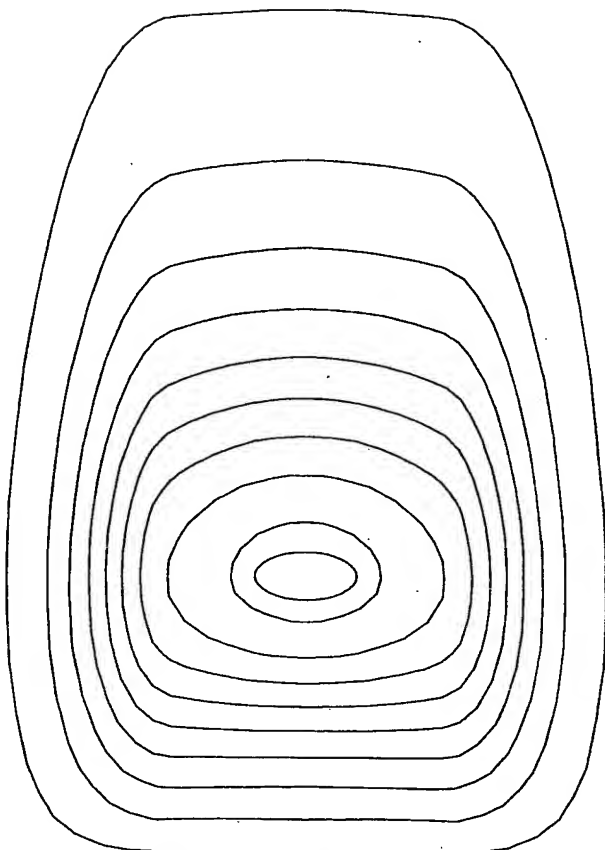
PRIMARY COIL: REGULAR
BIPLANAR Y GRADIENT PATTERN

FIG. 52



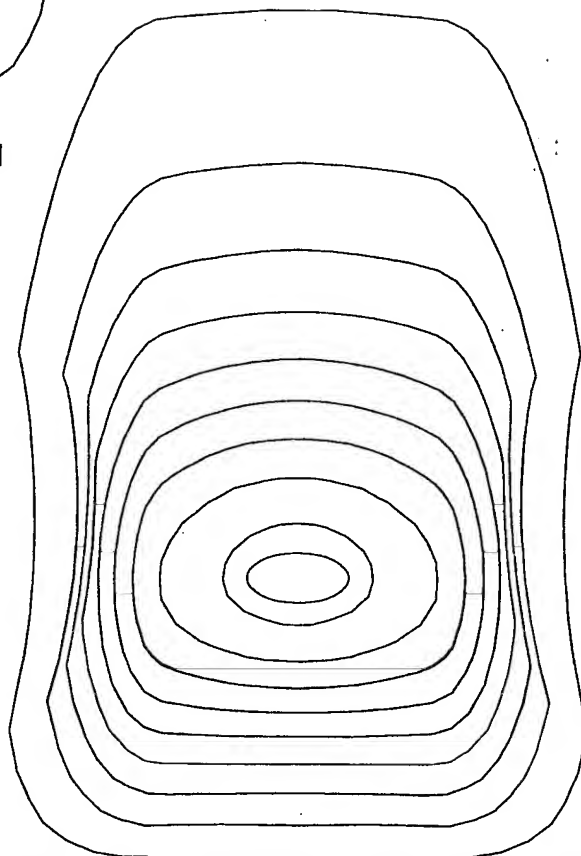
PRIMARY COIL: PARABOLIC CUT-OFFS FOR THE
BIPLANAR Y GRADIENT PATTERN

FIG. 53



SECONDARY COIL: REGULAR
BIPLANAR Y GRADIENT PATTERN

FIG. 7A
4A



SECONDARY COIL: PARABOLIC CUT-OFFS FOR THE
BIPLANAR Y GRADIENT PATTERN

FIG. 7B 4B



6/16

~~FIG. 8~~

10.00E-03	3.87E-04
2.00E-02	7.76E-04
3.00E-02	1.17E-03
4.00E-02	1.56E-03
5.00E-02	1.96E-03
6.00E-02	2.37E-03
7.00E-02	2.78E-03
8.00E-02	3.21E-03
9.00E-02	3.67E-03
10.00E-02	4.17E-03
0.11	4.72E-03
0.12	5.27E-03
0.13	5.39E-03

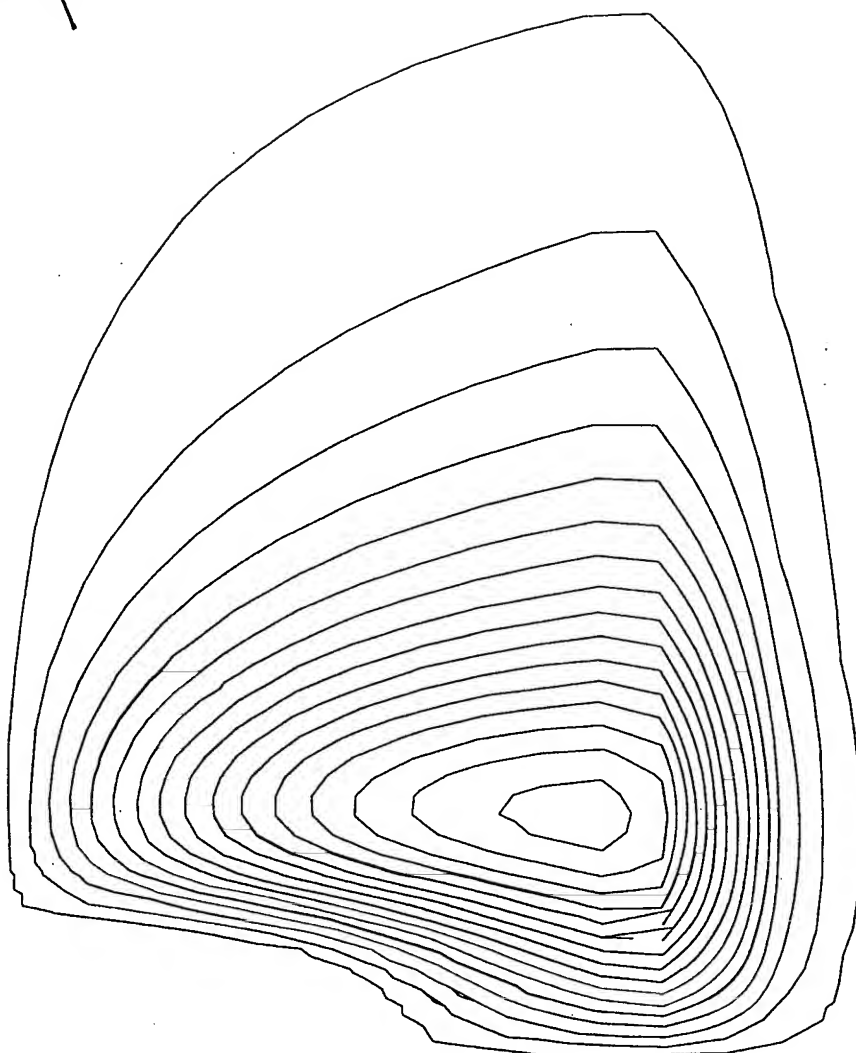


FIG. 5

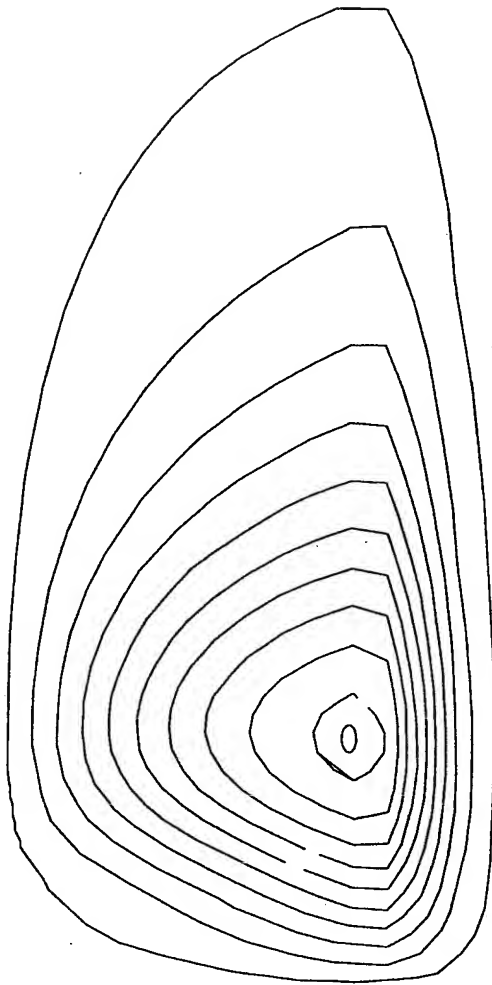


FIG. ~~1Q~~ 6

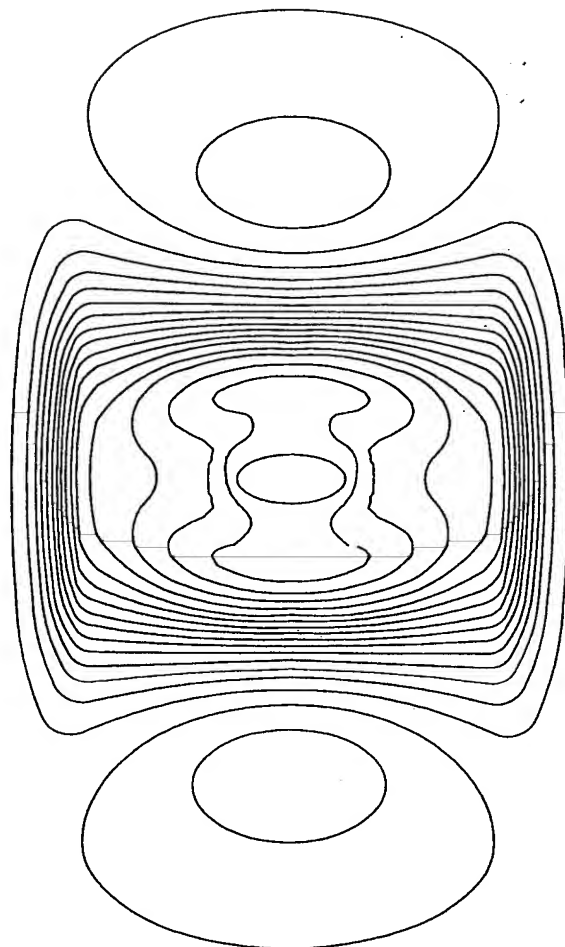


FIG. ~~11~~ 7



8/16

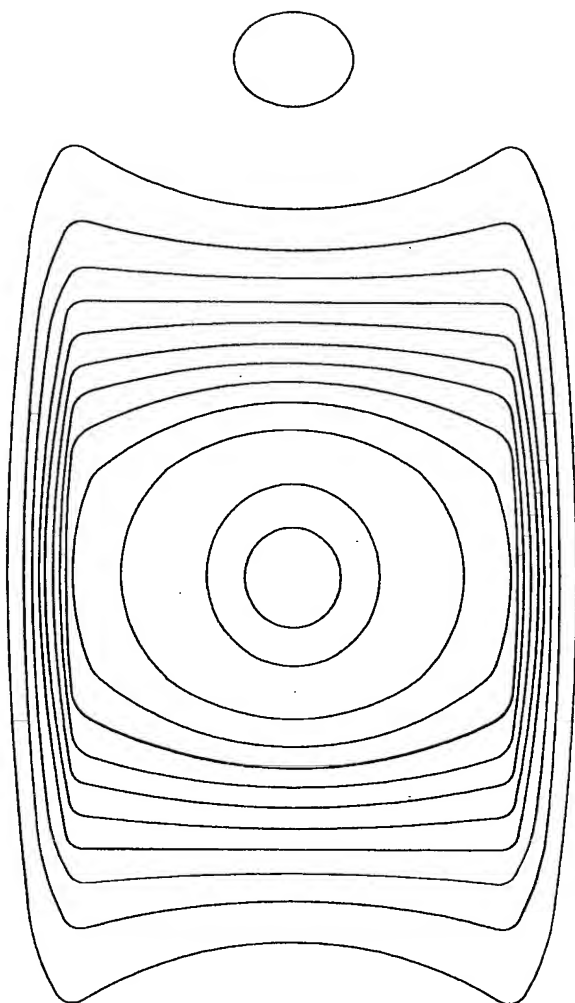


FIG. ~~12~~ 8

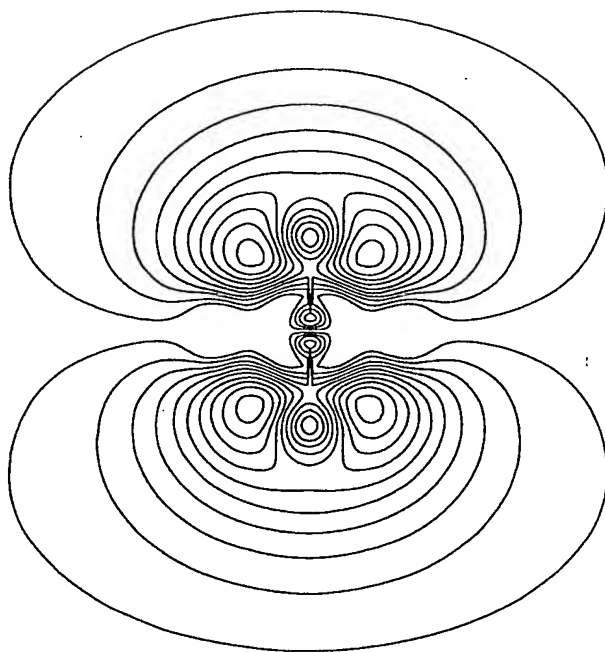


FIG. ~~13~~ 9



9/16

FIG. 14

0.1	0.00E+01	0.00E+01	0.13	7.50E-02	3.37E-03	0.17	2.50E-02	9.89E-04
0.1	6.25E-03	2.51E-04	0.13	8.13E-02	3.69E-03	0.17	3.13E-02	1.24E-03
0.1	1.25E-02	5.00E-04	0.13	8.75E-02	4.01E-03	0.17	3.75E-02	1.49E-03
0.1	1.88E-02	7.45E-04	0.13	9.38E-02	4.34E-03	0.17	4.38E-02	1.74E-03
0.1	2.50E-02	9.86E-04	0.13	0.1	4.66E-03	0.17	5.00E-02	1.99E-03
0.1	3.13E-02	1.22E-03	0.13	0.10625	4.98E-03	0.17	5.63E-02	2.25E-03
0.1	3.75E-02	1.46E-03	0.13	0.1125	5.28E-03	0.17	6.25E-02	2.50E-03
0.1	4.38E-02	1.71E-03	0.13	0.11875	5.57E-03	0.17	6.88E-02	2.75E-03
0.1	5.00E-02	1.97E-03	0.14	0.00E+01	0.00E+01	0.17	7.50E-02	3.01E-03
0.1	5.63E-02	2.24E-03	0.14	6.25E-03	2.59E-04	0.17	8.13E-02	3.26E-03
0.1	6.25E-02	2.53E-03	0.14	1.25E-02	5.19E-04	0.17	8.75E-02	3.51E-03
0.1	6.88E-02	2.85E-03	0.14	1.88E-02	7.81E-04	0.17	9.38E-02	3.75E-03
0.1	7.50E-02	3.20E-03	0.14	2.50E-02	1.05E-03	0.17	0.1	3.99E-03
0.1	8.13E-02	3.57E-03	0.14	3.13E-02	1.31E-03	0.17	0.10625	4.23E-03
0.1	8.75E-02	3.97E-03	0.14	3.75E-02	1.58E-03	0.17	0.1125	4.45E-03
0.1	9.38E-02	4.38E-03	0.14	4.38E-02	1.86E-03	0.17	0.11875	4.67E-03
0.1	0.1	4.80E-03	0.14	5.00E-02	2.14E-03	0.18	0.00E+01	0.00E+01
0.1	0.10625	5.22E-03	0.14	5.63E-02	2.43E-03	0.18	6.25E-03	2.39E-04
0.1	0.1125	5.63E-03	0.14	6.25E-02	2.72E-03	0.18	1.25E-02	4.77E-04
0.1	0.11875	6.01E-03	0.14	6.88E-02	3.02E-03	0.18	1.88E-02	7.16E-04
0.11	0.00E+01	0.00E+01	0.14	7.50E-02	3.32E-03	0.18	2.50E-02	9.56E-04
0.11	6.25E-03	2.51E-04	0.14	8.13E-02	3.62E-03	0.18	3.13E-02	1.20E-03
0.11	1.25E-02	5.02E-04	0.14	8.75E-02	3.92E-03	0.18	3.75E-02	1.44E-03
0.11	1.88E-02	7.53E-04	0.14	9.38E-02	4.22E-03	0.18	4.38E-02	1.68E-03
0.11	2.50E-02	1.00E-03	0.14	0.1	4.52E-03	0.18	5.00E-02	1.92E-03
0.11	3.13E-02	1.26E-03	0.14	0.10625	4.81E-03	0.18	5.63E-02	2.16E-03
0.11	3.75E-02	1.52E-03	0.14	0.1125	5.09E-03	0.18	6.25E-02	2.40E-03
0.11	4.38E-02	1.79E-03	0.14	0.11875	5.36E-03	0.18	6.88E-02	2.64E-03
0.11	5.00E-02	2.06E-03	0.15	0.00E+01	0.00E+01	0.18	7.50E-02	2.88E-03
0.11	5.63E-02	2.35E-03	0.15	6.25E-03	2.57E-04	0.18	8.13E-02	3.11E-03
0.11	6.25E-02	2.66E-03	0.15	1.25E-02	5.15E-04	0.18	8.75E-02	3.35E-03
0.11	6.88E-02	2.99E-03	0.15	1.88E-02	7.75E-04	0.18	9.38E-02	3.58E-03
0.11	7.50E-02	3.33E-03	0.15	2.50E-02	1.04E-03	0.18	0.1	3.80E-03
0.11	8.13E-02	3.69E-03	0.15	3.13E-02	1.30E-03	0.18	0.10625	4.02E-03
0.11	8.75E-02	4.06E-03	0.15	3.75E-02	1.57E-03	0.18	0.1125	4.23E-03
0.11	9.38E-02	4.44E-03	0.15	4.38E-02	1.84E-03	0.18	0.11875	4.43E-03
0.11	0.1	4.82E-03	0.15	5.00E-02	2.11E-03	0.19	0.00E+01	0.00E+01
0.11	0.10625	5.20E-03	0.15	5.63E-02	2.39E-03	0.19	6.25E-03	2.29E-04
0.11	0.1125	5.56E-03	0.15	6.25E-02	2.67E-03	0.19	1.25E-02	4.59E-04
0.11	0.11875	5.91E-03	0.15	6.88E-02	2.95E-03	0.19	1.88E-02	6.88E-04
0.12	0.00E+01	0.00E+01	0.15	7.50E-02	3.23E-03	0.19	2.50E-02	9.18E-04
0.12	6.25E-03	2.55E-04	0.15	8.13E-02	3.52E-03	0.19	3.13E-02	1.15E-03
0.12	1.25E-02	5.11E-04	0.15	8.75E-02	3.80E-03	0.19	3.75E-02	1.38E-03
0.12	1.88E-02	7.68E-04	0.15	9.38E-02	4.08E-03	0.19	4.38E-02	1.61E-03
0.12	2.50E-02	1.03E-03	0.15	0.1	4.36E-03	0.19	5.00E-02	1.84E-03
0.12	3.13E-02	1.29E-03	0.15	0.10625	4.63E-03	0.19	5.63E-02	2.07E-03
0.12	3.75E-02	1.56E-03	0.15	0.1125	4.89E-03	0.19	6.25E-02	2.29E-03
0.12	4.38E-02	1.84E-03	0.15	0.11875	5.14E-03	0.19	6.88E-02	2.52E-03
0.12	5.00E-02	2.12E-03	0.16	0.00E+01	0.00E+01	0.19	7.50E-02	2.74E-03
0.12	5.63E-02	2.42E-03	0.16	6.25E-03	2.53E-04	0.19	8.13E-02	2.96E-03
0.12	6.25E-02	2.73E-03	0.16	1.25E-02	5.07E-04	0.19	8.75E-02	3.18E-03
0.12	6.88E-02	3.05E-03	0.16	1.88E-02	7.61E-04	0.19	9.38E-02	3.40E-03
0.12	7.50E-02	3.38E-03	0.16	2.50E-02	1.02E-03	0.19	0.1	3.61E-03
0.12	8.13E-02	3.72E-03	0.16	3.13E-02	1.27E-03	0.19	0.10625	3.81E-03
0.12	8.75E-02	4.07E-03	0.16	3.75E-02	1.53E-03	0.19	0.1125	4.01E-03
0.12	9.38E-02	4.42E-03	0.16	4.38E-02	1.80E-03	0.19	0.11875	4.20E-03
0.12	0.1	4.76E-03	0.16	5.00E-02	2.06E-03	0.2	0.00E+01	0.00E+01
0.12	0.10625	5.11E-03	0.16	5.63E-02	2.32E-03	0.2	6.25E-03	2.20E-04
0.12	0.1125	5.44E-03	0.16	6.25E-02	2.59E-03	0.2	1.25E-02	4.39E-04
0.12	0.11875	5.76E-03	0.16	6.88E-02	2.86E-03	0.2	1.88E-02	6.58E-04
0.13	0.00E+01	0.00E+01	0.16	7.50E-02	3.13E-03	0.2	2.50E-02	8.78E-04
0.13	6.25E-03	2.58E-04	0.16	8.13E-02	3.39E-03	0.2	3.13E-02	1.10E-03
0.13	1.25E-02	5.17E-04	0.16	8.75E-02	3.66E-03	0.2	3.75E-02	1.32E-03
0.13	1.88E-02	7.78E-04	0.16	9.38E-02	3.92E-03	0.2	4.38E-02	1.53E-03
0.13	2.50E-02	1.04E-03	0.16	0.1	4.18E-03	0.2	5.00E-02	1.75E-03
0.13	3.13E-02	1.31E-03	0.16	0.10625	4.43E-03	0.2	5.63E-02	1.97E-03
0.13	3.75E-02	1.58E-03	0.16	0.1125	4.67E-03	0.2	6.25E-02	2.18E-03
0.13	4.38E-02	1.86E-03	0.16	0.11875	4.91E-03	0.2	6.88E-02	2.40E-03
0.13	5.00E-02	2.15E-03	0.17	0.00E+01	0.00E+01	0.2	7.50E-02	2.61E-03
0.13	5.63E-02	2.44E-03	0.17	6.25E-03	2.47E-04	0.2	8.13E-02	2.82E-03
0.13	6.25E-02	2.74E-03	0.17	1.25E-02	4.93E-04			
0.13	6.88E-02	3.05E-03	0.17	1.88E-02	7.41E-04			

(TO SHEET 10)



10/16

(FROM SHEET 9)

0.2	8.75E-02	3.02E-03	0.24	2.50E-02	7.11E-04	0.27	0.1	2.26E-03
0.2	9.38E-02	3.22E-03	0.24	3.13E-02	8.87E-04	0.27	0.10625	2.38E-03
0.2	0.1	3.42E-03	0.24	3.75E-02	1.06E-03	0.27	0.1125	2.50E-03
0.2	0.10625	3.61E-03	0.24	4.38E-02	1.24E-03	0.27	0.11875	2.62E-03
0.2	0.1125	3.79E-03	0.24	5.00E-02	1.41E-03	0.28	0.00E+01	0.00E+01
0.2	0.11875	3.97E-03	0.24	5.63E-02	1.58E-03	0.28	6.25E-03	1.41E-04
0.21	0.00E+01	0.00E+01	0.24	6.25E-02	1.75E-03	0.28	1.25E-02	2.81E-04
0.21	6.25E-03	2.09E-04	0.24	6.88E-02	1.92E-03	0.28	1.88E-02	4.21E-04
0.21	1.25E-02	4.18E-04	0.24	7.50E-02	2.08E-03	0.28	2.50E-02	5.61E-04
0.21	1.88E-02	6.27E-04	0.24	8.13E-02	2.25E-03	0.28	3.13E-02	7.00E-04
0.21	2.50E-02	8.36E-04	0.24	8.75E-02	2.40E-03	0.28	3.75E-02	8.38E-04
0.21	3.13E-02	1.04E-03	0.24	9.38E-02	2.56E-03	0.28	4.38E-02	9.75E-04
0.21	3.75E-02	1.25E-03	0.24	0.1	2.71E-03	0.28	5.00E-02	1.11E-03
0.21	4.38E-02	1.46E-03	0.24	0.10625	2.86E-03	0.28	5.63E-02	1.24E-03
0.21	5.00E-02	1.66E-03	0.24	0.1125	3.00E-03	0.28	6.25E-02	1.38E-03
0.21	5.63E-02	1.87E-03	0.24	0.11875	3.14E-03	0.28	6.88E-02	1.51E-03
0.21	6.25E-02	2.07E-03	0.25	0.00E+01	0.00E+01	0.28	7.50E-02	1.64E-03
0.21	6.88E-02	2.27E-03	0.25	6.25E-03	1.68E-04	0.28	8.13E-02	1.76E-03
0.21	7.50E-02	2.47E-03	0.25	1.25E-02	3.36E-04	0.28	8.75E-02	1.89E-03
0.21	8.13E-02	2.67E-03	0.25	1.88E-02	5.04E-04	0.28	9.38E-02	2.01E-03
0.21	8.75E-02	2.86E-03	0.25	2.50E-02	6.71E-04	0.28	0.1	2.13E-03
0.21	9.38E-02	3.05E-03	0.25	3.13E-02	8.38E-04	0.28	0.10625	2.24E-03
0.21	0.1	3.23E-03	0.25	3.75E-02	1.00E-03	0.28	0.1125	2.35E-03
0.21	0.10625	3.41E-03	0.25	4.38E-02	1.17E-03	0.28	0.11875	2.46E-03
0.21	0.1125	3.58E-03	0.25	5.00E-02	1.33E-03	0.29	0.00E+01	0.00E+01
0.21	0.11875	3.75E-03	0.25	5.63E-02	1.49E-03	0.29	6.25E-03	1.32E-04
0.22	0.00E+01	0.00E+01	0.25	6.25E-02	1.65E-03	0.29	1.25E-02	2.65E-04
0.22	6.25E-03	1.99E-04	0.25	6.88E-02	1.81E-03	0.29	1.88E-02	3.97E-04
0.22	1.25E-02	3.97E-04	0.25	7.50E-02	1.96E-03	0.29	2.50E-02	5.28E-04
0.22	1.88E-02	5.96E-04	0.25	8.13E-02	2.12E-03	0.29	3.13E-02	6.59E-04
0.22	2.50E-02	7.94E-04	0.25	8.75E-02	2.26E-03	0.29	3.75E-02	7.88E-04
0.22	3.13E-02	9.91E-04	0.25	9.38E-02	2.41E-03	0.29	4.38E-02	9.17E-04
0.22	3.75E-02	1.19E-03	0.25	0.1	2.55E-03	0.29	5.00E-02	1.04E-03
0.22	4.38E-02	1.38E-03	0.25	0.10625	2.69E-03	0.29	5.63E-02	1.17E-03
0.22	5.00E-02	1.58E-03	0.25	0.1125	2.83E-03	0.29	6.25E-02	1.30E-03
0.22	5.63E-02	1.77E-03	0.25	0.11875	2.96E-03	0.29	6.88E-02	1.42E-03
0.22	6.25E-02	1.96E-03	0.26	0.00E+01	0.00E+01	0.29	7.50E-02	1.54E-03
0.22	6.88E-02	2.15E-03	0.26	6.25E-03	1.59E-04	0.29	8.13E-02	1.66E-03
0.22	7.50E-02	2.34E-03	0.26	1.25E-02	3.17E-04	0.29	8.75E-02	1.77E-03
0.22	8.13E-02	2.52E-03	0.26	1.88E-02	4.75E-04	0.29	9.38E-02	1.89E-03
0.22	8.75E-02	2.70E-03	0.26	2.50E-02	6.33E-04	0.29	0.1	2.00E-03
0.22	9.38E-02	2.88E-03	0.26	3.13E-02	7.90E-04	0.29	0.10625	2.11E-03
0.22	0.1	3.05E-03	0.26	3.75E-02	9.46E-04	0.29	0.1125	2.21E-03
0.22	0.10625	3.22E-03	0.26	4.38E-02	1.10E-03	0.29	0.11875	2.31E-03
0.22	0.1125	3.38E-03	0.26	5.00E-02	1.25E-03	0.3	0.00E+01	0.00E+01
0.22	0.11875	3.54E-03	0.26	5.63E-02	1.41E-03	0.3	6.25E-03	1.25E-04
0.23	0.00E+01	0.00E+01	0.26	6.25E-02	1.56E-03	0.3	1.25E-02	2.49E-04
0.23	6.25E-03	1.88E-04	0.26	6.88E-02	1.70E-03	0.3	1.88E-02	3.73E-04
0.23	1.25E-02	3.77E-04	0.26	7.50E-02	1.85E-03	0.3	2.50E-02	4.96E-04
0.23	1.88E-02	5.65E-04	0.26	8.13E-02	1.99E-03	0.3	3.13E-02	6.19E-04
0.23	2.50E-02	7.52E-04	0.26	8.75E-02	2.13E-03	0.3	3.75E-02	7.41E-04
0.23	3.13E-02	9.39E-04	0.26	9.38E-02	2.27E-03	0.3	4.38E-02	8.62E-04
0.23	3.75E-02	1.12E-03	0.26	0.1	2.40E-03	0.3	5.00E-02	9.82E-04
0.23	4.38E-02	1.31E-03	0.26	0.10625	2.53E-03	0.3	5.63E-02	1.10E-03
0.23	5.00E-02	1.49E-03	0.26	0.1125	2.66E-03	0.3	6.25E-02	1.22E-03
0.23	5.63E-02	1.68E-03	0.26	0.11875	2.78E-03	0.3	6.88E-02	1.33E-03
0.23	6.25E-02	1.86E-03	0.27	0.00E+01	0.00E+01	0.3	7.50E-02	1.45E-03
0.23	6.88E-02	2.03E-03	0.27	6.25E-03	1.49E-04	0.3	8.13E-02	1.56E-03
0.23	7.50E-02	2.21E-03	0.27	1.25E-02	2.99E-04	0.3	8.75E-02	1.67E-03
0.23	8.13E-02	2.38E-03	0.27	1.88E-02	4.48E-04	0.3	9.38E-02	1.77E-03
0.23	8.75E-02	2.55E-03	0.27	2.50E-02	5.96E-04	0.3	0.1	1.88E-03
0.23	9.38E-02	2.72E-03	0.27	3.13E-02	7.44E-04	0.3	0.10625	1.98E-03
0.23	0.1	2.88E-03	0.27	3.75E-02	8.90E-04	0.3	0.1125	2.08E-03
0.23	0.10625	3.03E-03	0.27	4.38E-02	1.04E-03	0.3	0.11875	2.17E-03
0.23	0.1125	3.19E-03	0.27	5.00E-02	1.18E-03			
0.23	0.11875	3.34E-03	0.27	5.63E-02	1.32E-03			
0.24	0.00E+01	0.00E+01	0.27	6.25E-02	1.46E-03			
0.24	6.25E-03	1.78E-04	0.27	6.88E-02	1.60E-03			
0.24	1.25E-02	3.56E-04	0.27	7.50E-02	1.74E-03			
0.24	1.88E-02	5.34E-04	0.27	8.13E-02	1.87E-03			
			0.27	8.75E-02	2.01E-03			
			0.27	9.38E-02	2.13E-03			

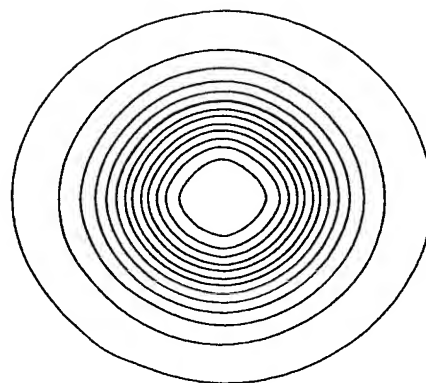


FIG. ~~15~~ 10

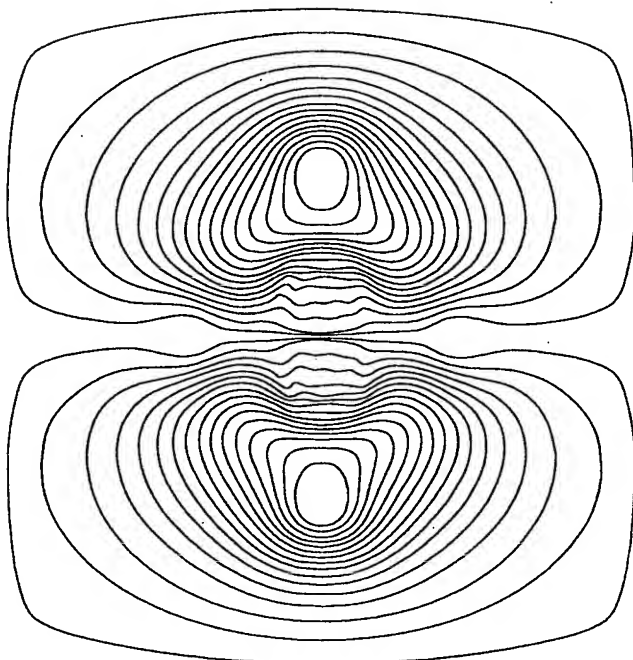


FIG. ~~16A~~ 11A

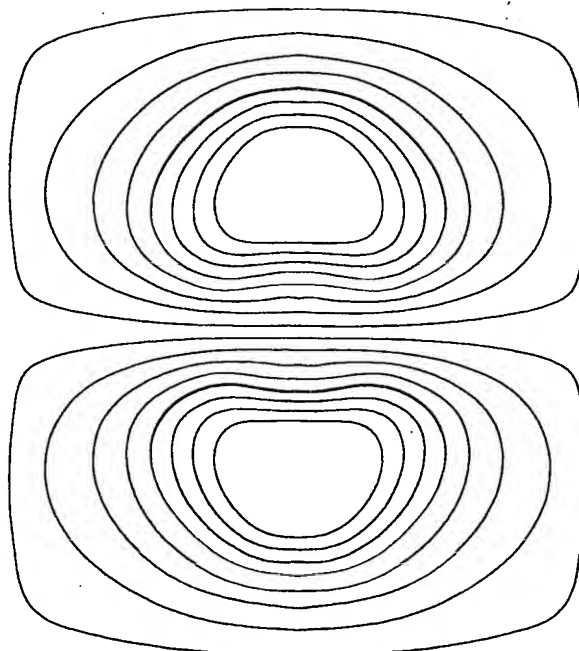


FIG. ~~16B~~ 11B



12/16

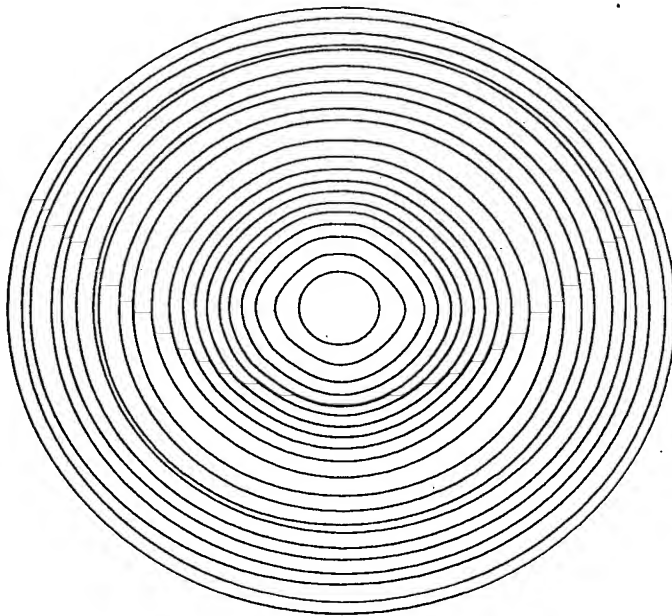


FIG. ~~17A~~ 12A

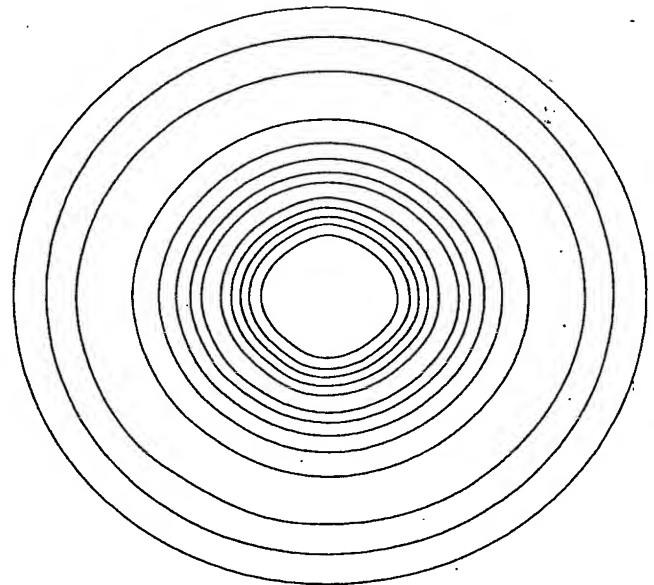


FIG. ~~17B~~ 12B

13/16

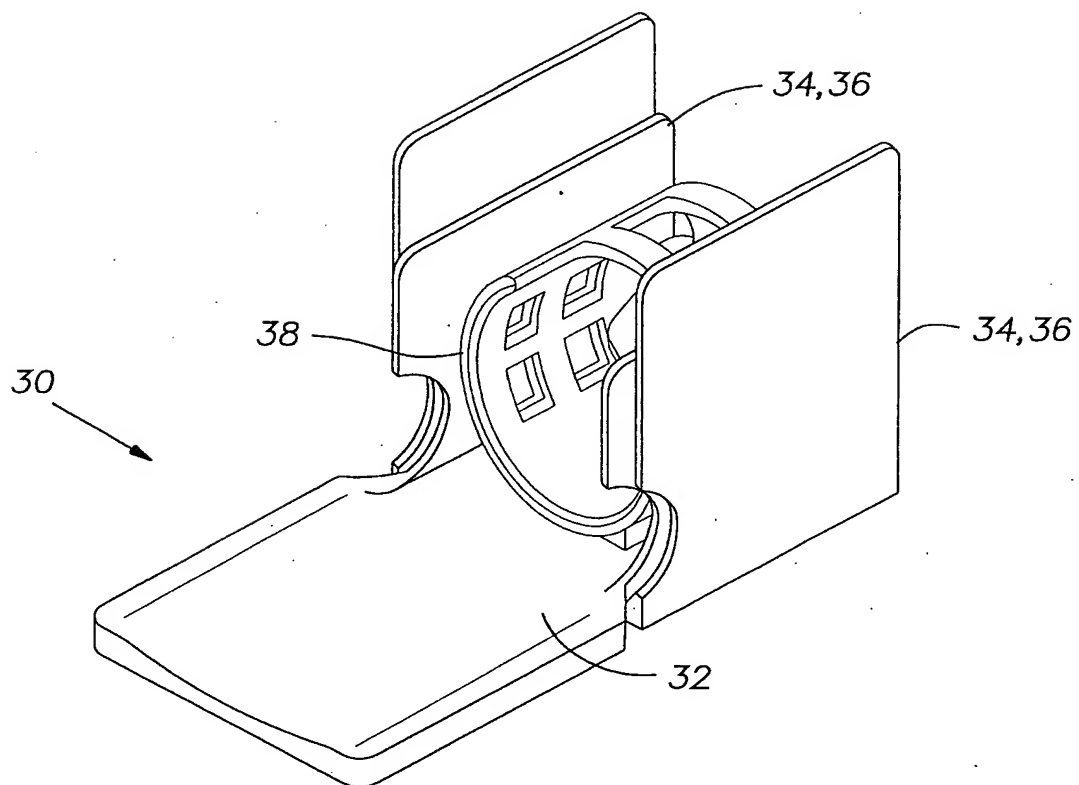


FIG. 13

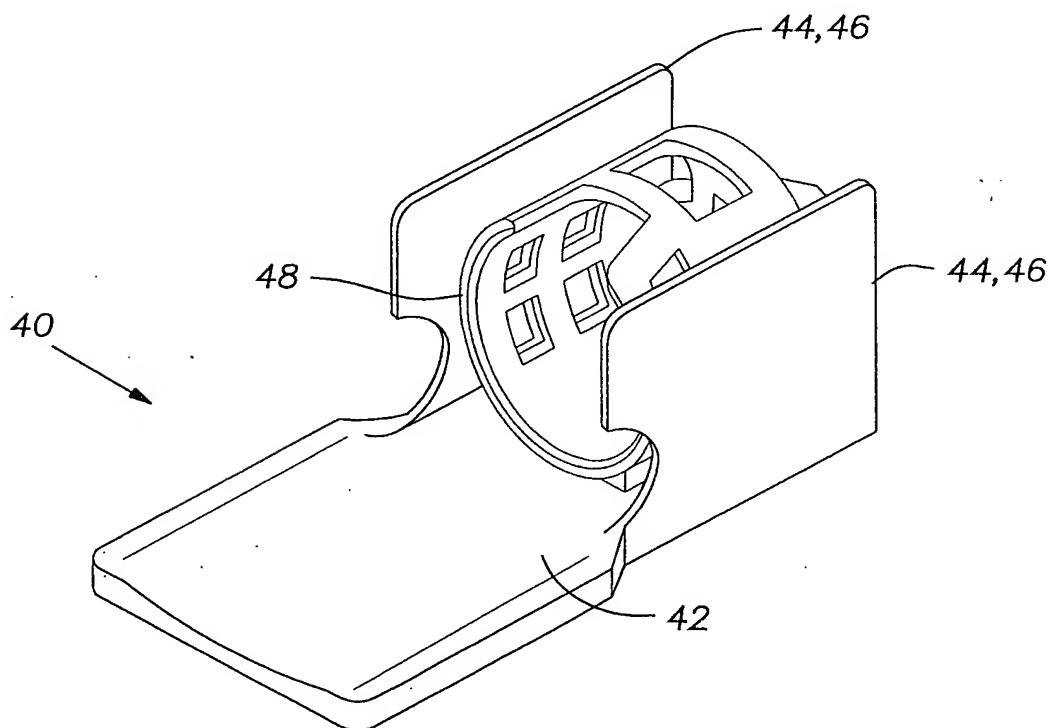
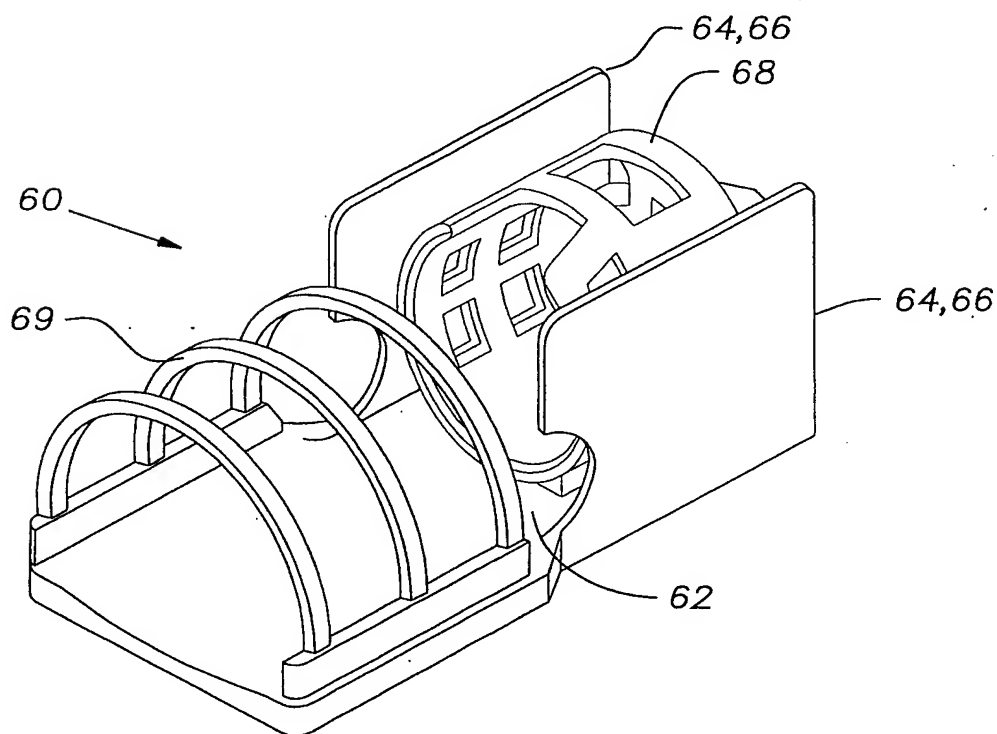
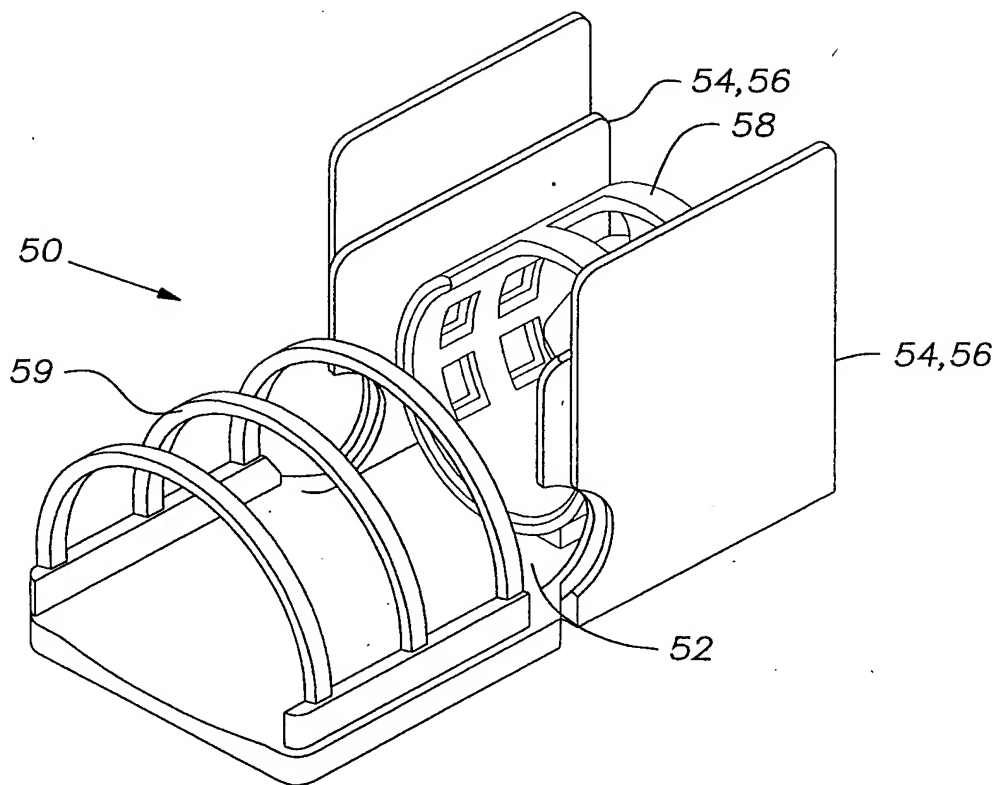
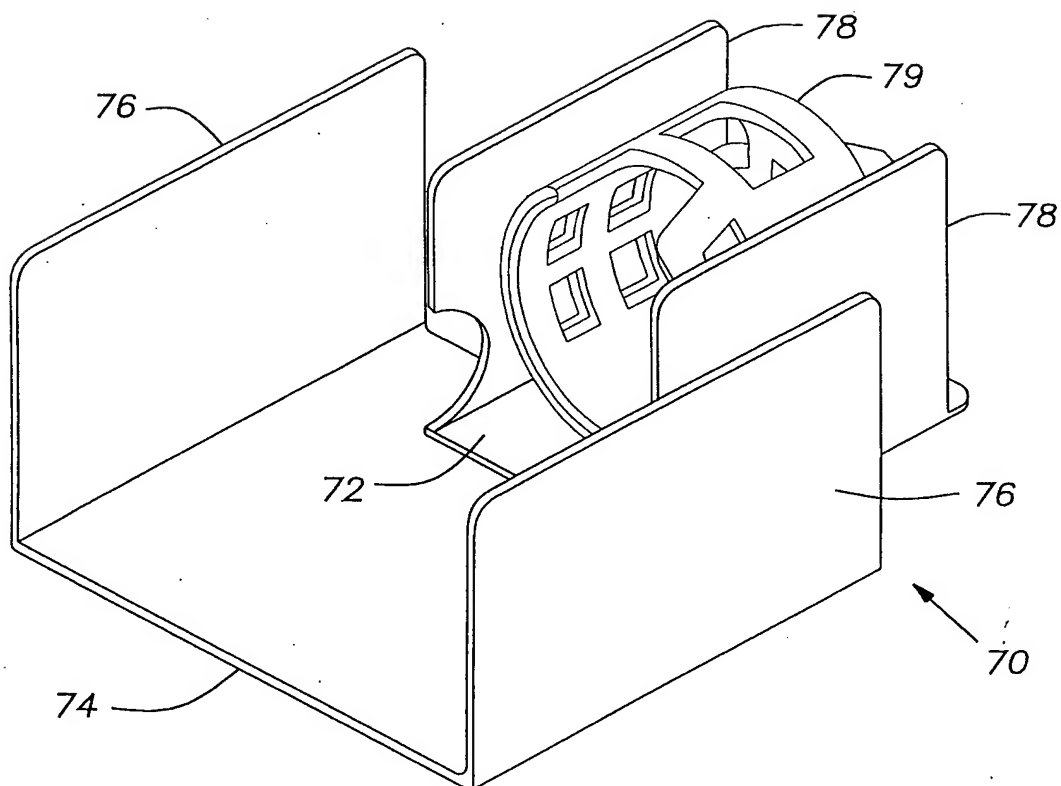


FIG. 14





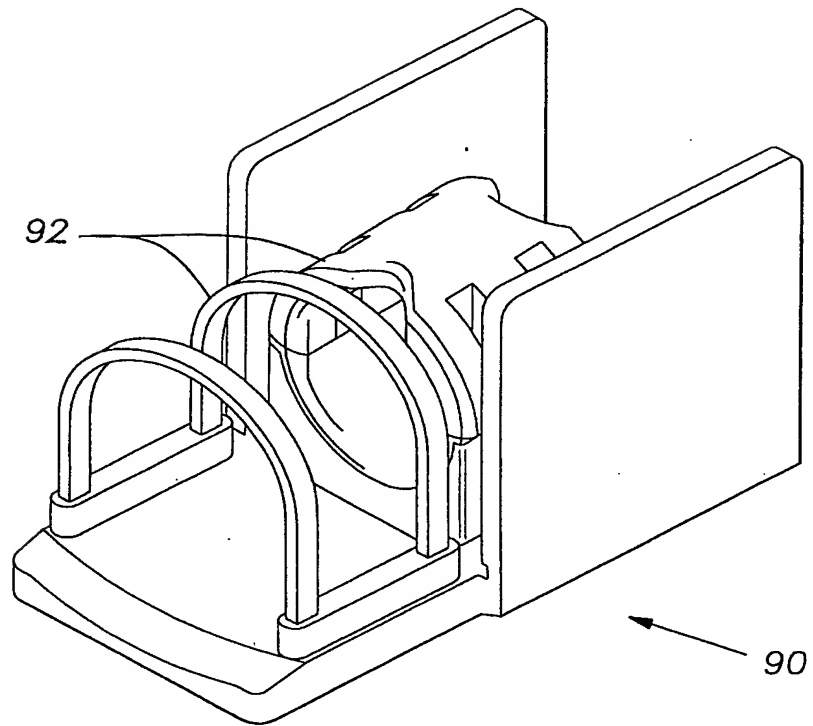


FIG. 23 18

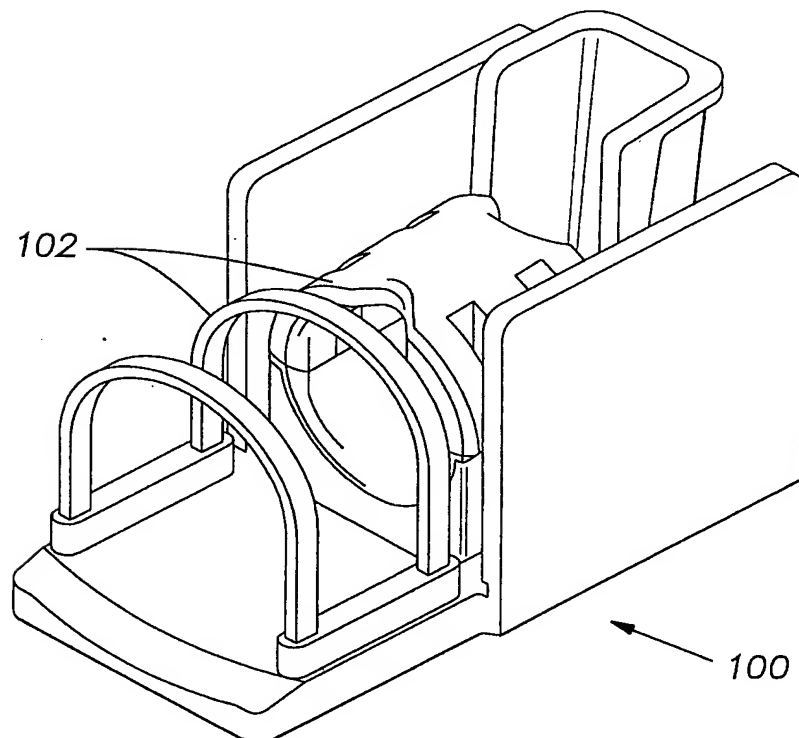


FIG. 24 19